ISSUE SUP STAPLE AREA (for additional cross references)

| POSITION | INITIALS | ID NO. | DATE | | | | | |
|---------------------|----------|--------|-----------|--|--|--|--|--|
| FEE DETERMINATION | (m) | 77000- | 4/5/99 | | | | | |
| O.I.P.E. CLASSIFIER | | | 3 4. 1197 | | | | | |
| FORMALITY REVIEW | 21 | 70647 | 4-13.49 | | | | | |

a.

INDEX OF CLAIMS

| ., | Rejected | N | Non-elected |
|----|----------------------------|---|--------------|
| • | Allowed | 1 | Interference |
| = | (Theread company) Concoled | | Appeal |
| | (Through numeral) Canceled | | Objected |
| • | Restricted | U | Objected |

| | | T | | | | | | | | | | | | Ciaim Date | | | | | | | | | | | | | Claim Date | | | | | | | | | | | |
|---------------|--------|----------|-------------|----------|--------------|--------------|----------|--------------------------------------------------|----------|--------|-----------------|----------|-----|------------|-----------|----------|----------|----------|--------------|-------------------------|--------------------------------------------------|----------|---------------|----------|--------------|-------------------------|------------|--------------------|----|-----------|--------------|---------|---------|----------|----------|----------|--------------|----------|
| Cte | | | | | | Da | ite | | | _ | | 4 | 10 | iali | <u>" </u> | 1 | _ | _ | ᅮ | ate T | 7 | | $\overline{}$ | Т | ┨ | ۲ | ┰ | _ | Т | Т | Т | Ť | Ť | \neg | Т | Т | Т | _ |
| Final | Organa | 5/2(0 | 377 | | | | | | | | | | | | Original | | | | | | | | | | | | | origina Bulling | | | | | | | | | | |
| 7 | 7 | Ť | 7 | _ | 1 | T | T | 1 | 1 | 1 | | 7 | | 1 | 51 | T | \Box | \Box | | \perp | | 1 | | \bot | _ | L | _ | 01 | ╀ | 4 | + | - - | 4 | + | 4 | + | \dashv | _ |
| | 2 | | 7 | | | T | Τ | 1 | T | Ţ | | | L | _ | 52 | | 1 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | ┝ | _ | 02 | ╌ | ╀ | + | + | + | ╁ | ╁ | \dashv | - | |
| $\overline{}$ | 3 | לֹג | 7 | | 1 | Τ | Τ | Т | Т | T | | \Box | L | | 53 | Ц. | _ | ᆚ. | Ц. | 4 | 4 | _ | 4 | 4 | 4 | ╌ | | 03 | 4- | 4 | + | + | | + | + | -+ | ┥ | _ |
| ┢ | 4 | Ž | V | _ | 1 | 1 | I | | 1 | | \Box | | | _ | 54 | Д. | 4 | 4 | 4 | 4. | 4 | - | 4 | + | 4 | - | | 05 | +- | ┿ | ╅ | + | ┿ | + | ┪ | -+ | ┥ | _ |
| | 5 | V | V | | | \mathbf{L} | T | \perp | | \Box | | _ | L | _+ | 55 | 4 | 4 | _ | - | 4 | 4 | 4 | 4 | - | 4 | ⊢ | | 06 | + | + | | + | + | ╅ | + | + | ┥ | |
| | ß | 11 | Ð | | L | L | | | 1 | _ | | _ | Ļ | _ | 58 | 4 | 4 | 4 | | | + | -+ | - | ┵ | 4 | ╌ | | 107 | ╌ | + | ╫ | ╅ | ╌ | + | + | ┪ | - | _ |
| Ĭ | | V | $ar{ar{U}}$ | | | | L | \perp | | _ | _ | _ | L | 1 | 57 | 4 | _ | - | 4 | + | -+ | - | \dashv | + | 4 | - | | 108 | + | ╅ | + | - | ╅ | + | - | | \dashv | г |
| | 8 | | V | L | L | ┸ | ┸ | ᆚ | 4 | _ | \dashv | 4 | - | 4 | 58 | 4 | - | -+ | + | - | ┥ | \dashv | -+ | + | 4 | ŀ | | 109 | + | + | \dashv | ╅ | + | -† | ┪ | ┪ | Н | Г |
| | 9 | L | | L | 1 | ┸ | ┵ | 4 | 4 | 4 | 4 | _ | - | 4 | 59 | 4 | -+ | -+ | -+ | - | ┥ | -+ | -+ | + | \dashv | ŀ | | 110 | + | + | + | + | 十 | \dashv | ᅥ | ┪ | П | ┢ |
| | 10 | <u> </u> | L | L | 丄 | ┵ | 4 | 4 | 4 | 4 | _ | | - | 4 | 60 | 4 | \dashv | - | \dashv | + | - | \dashv | + | + | \dashv | - | | 111 | + | ╅ | + | + | _ | ┪ | \dashv | | г | ┌ |
| Ĺ | 11 | L | <u> </u> | L | 1 | 1 | 4 | 4 | 4 | 4 | \sqcup | 4 | - | | 62 | - | \dashv | \dashv | \dashv | \dashv | \dashv | -+ | \dashv | + | \dashv | } | _ | 112 | + | + | + | T | + | 7 | \dashv | | Г | Γ |
| L | 12 | _ | 1_ | L | 1 | 4 | 4 | + | 4 | 4 | \sqcup | \dashv | - | | 63 | + | -+ | -+ | -+ | \dashv | \dashv | -+ | -+ | + | \dashv | <u> </u> | _ | 113 | 十 | \dagger | + | _ | 7 | 1 | | | Г | Γ |
| L | 13 | | ┺ | 1 | \downarrow | 4 | 4 | 4 | 4 | _ | $\vdash \dashv$ | \dashv | - | | 64 | \dashv | | | -+ | + | + | \dashv | - | + | \dashv | ŀ | _ | 114 | + | + | + | 7 | 7 | 7 | | | Г | Γ |
| L | 14 | ┞ | 1_ | ₽- | + | + | 4 | 4 | 4 | _ | \vdash | | - | - | 65 | -+ | ᅱ | - | \dashv | \dashv | - | - | ┪ | \dashv | \dashv | ŀ | _ | 115 | 十 | 7 | \dashv | 7 | | 7 | | | | Γ |
| \vdash | 15 | ┞ | ╀ | ╀ | 4- | 4 | + | + | - | _ | ├┤ | \dashv | - } | - | 66 66 | ┥ | \dashv | | - | + | \dashv | - | ┥ | \dashv | \dashv | . | | 116 | 十 | 7 | 7 | 寸 | ┪ | ╗ | | | | Γ |
| L | 18 | ├- | + | ╀ | + | + | + | + | \dashv | _ | Н | 긕 | } | | 67 | ┥ | | ᅱ | 一 | ᅥ | | | \dashv | + | ᅥ | Ì | | 117 | 7 | 7 | ┪ | 寸 | | | | | | Γ |
| Ŀ | 17 | ╀ | +- | +- | + | + | + | + | - | | \vdash | \dashv | } | | 68 | \dashv | \dashv | ᅥ | \dashv | ┪ | ᅱ | 一 | _1 | \dashv | ヿ | Ì | _ | 118 | 1 | 7 | | | | | | | L | Ĺ |
| \vdash | 18 | + | + | ╀ | + | + | + | + | - | | \vdash | \dashv | ŀ | _ | 69 | - | \dashv | \dashv | 一 | 7 | | \dashv | ᅥ | 1 | ヿ | ţ | | 119 | 寸 | \exists | | | | | | | | Ī |
| F | 19 | +- | +- | ╀ | + | + | + | + | -{ | | ╂╌┤ | \dashv | ŀ | _ | 70 | \dashv | | H | Н | \dashv | Н | | \dashv | \vdash | \dashv | · | | 120 | 1 | | 7 | 目 | | | | Γ | | 1 |
| \vdash | 20 | - | ╄ | ╀ | 4- | + | + | -} | - | | H | \vdash | ŀ | _ | 71 | Н | Н | Н | Н | | _ | Н | Н | Н | ┥ | | - | 121 | _ | 寸 | ┪ | | | | Г | | Γ | T |
| \vdash | 21 | - | ┿ | ╀ | + | + | + | - | \dashv | _ | ╁ | Н | ŀ | _ | 72 | _ | | H | Н | - | Н | \vdash | Н | H | 7 | | | 122 | | ヿ | | | | | | | \mathbb{L} | Ι |
| - | 22 | | +- | +- | + | + | -+ | -+ | - | - | ⊢ | Н | . } | | 73 | H | - | ┢ | \vdash | | | Н | Г | П | ┪ | | _ | 123 | | | | | | | | Г | \mathbb{L} | Ι |
| \vdash | 23 | | +- | ╁ | + | + | + | + | _ | - | ╁ | Н | | _ | 74 | Н | ⊢ | - | - | Н | 一 | ┢ | _ | Н | _ | | | 124 | | | | | | | | | L | I |
| \vdash | 24 | +- | +- | ╀ | + | + | ┥ | \dashv | _ | - | ╁╴ | Н | | _ | 75 | - | ┢ | ╀─ | | М | ┪ | T | _ | | | | | 125 | | | | | | | | L | L | 1 |
| - | 25 | | + | ╁ | -+- | + | \dashv | ┥ | - | ┝ | ╁╴ | | | | 76 | H | \vdash | Ι- | T | | \vdash | T | T | П | | | | 128 | | | | | | | | L | \perp | 1 |
| - | 27 | _ | ┿ | ╁ | + | -+ | \dashv | - | | ├ | ╁╌ | H | | - | 77 | - | \vdash | ! | H | Г | t^- | <u> </u> | \vdash | Г | | | | 127 | | | | | | | L | L | Ţ | 1 |
| \vdash | 28 | | +- | + | + | ╅ | ┪ | ┪ | | ╁ | + | - | | ┝ | | 10 | | | | t | 1 | | Г | | | 1 | | 128 | | | | | L | L | L | 1 | ┸ | 1 |
| \vdash | 20 | _ | ╁ | ╁ | ┽ | + | ┪ | ┪ | | ┢ | ╁ | ├- | 1 | Н | 79 | Ø | E | 5 | 8 | R | B | 2.0 | 1 | | | • | | 129 | | | | | L | <u> </u> | L | ┺ | 1 | 4 |
| \vdash | 30 | _ | ╁ | ╁ | -+ | ┪ | - | - | _ | ╁╴ | + | \vdash | | ┢ | 80 | Г | | ₩. | 4 | 烤 | 114 | | 1// | | | ۲. | | 130 | | | 匚 | | _ | <u> </u> | <u> </u> | 1 | 4 | 4 |
| ⊦ | 3 | _ | + | + | + | ┪ | \dashv | \dashv | _ | ╁ | 1- | t | 1 | Г | 81 | ✝ | 1 | T | Τ | Г | ١٧ | 7 | Ψl | 1/2 | \mathbb{Z} | $\forall \prime \prime$ | ľĈ | 131 | 25 | L_ | | L | L | L | ↓_ | ╄ | 4 | 4 |
| \vdash | 3 | - | | + | + | + | \dashv | \dashv | Т | † | T | t^- | 1 | Г | 82 | 1 | Π | T | | | | Π | L | | u <u>t</u> | BL | 5 | 13 | | 1 | M | M | 9 | 1 | ╀ | 4 | 4 | 4 |
| \vdash | 3 | _ | + | + | 7 | + | ᅥ | H | Т | 1 | 1 | 1 | 1 | Г | 83 | 1 | | Γ | Ι | Γ | | | | \Box | L | 1 | L | الحدار | | a | ΥLC | | 4_ | 1 | \perp | 4- | + | 4 |
| \vdash | 3 | | + | | 4 | 1 | - | H | _ | ✝ | 1 | T | 1 | Γ | 84 | Γ | I | Γ | | Γ | Γ | oxdot | | | $oxed{oxed}$ | 1 | L | 134 | | <u> </u> | _ | 1" | 4 | ↓_ | ╀ | + | + | 4 |
| + | 3 | | + | ⇟ | + | 7 | _ | | <u> </u> | 1 | 1 | 1 | 1 | | 85 | L | L | | L | | | | | 1_ | ot | 1 | L | 13 | 1 | <u> </u> | \vdash | ↓_ | 1 | ┼- | + | + | + | 4 |
| + | 3 | - | + | + | + | ┪ | | П | Γ | T | \top | 1 | 1 | | 86 | | Γ | | Γ | I | | | | \perp | L | 1 | L | 130 | - | \vdash | 1 | ╄ | ╁ | + | +- | + | + | 4 |
| 1 | 3 | | - | 十 | \dashv | 7 | \neg | Г | Γ | Τ | | |] | | 87 | - | | L | | L | L | 1 | 1 | \bot | 1_ | 4 | | 13 | - | - | 1- | ╂- | + | ╁ | ╁ | + | + | 4 |
| ۲ | 3 | | 十 | + | 7 | ┪ | Т | Г | | Τ | 1 | Ι |] | | 88 | _ | L | L | L | | L | L | 1 | 1 | ↓. | 1 | L | 138 | + | \vdash | ╀ | + | +- | ╁ | ╀ | + | + | 4 |
| ۲ | 13 | 9 | + | 1 | 7 | | | | | Γ | | |] | L | 89 | - | L | | L | L | <u> </u> | \perp | 4 | 1 | | 4 | 1 | 139 | + | ├ | | +- | +- | +- | ╁ | + | + | \dashv |
| r | _ | a | \top | 7 | 7 | \exists | | Γ | Γ | T | 1 | Τ |] | | 90 | | Ĺ | | | \perp | L | 1_ | \perp | \perp | Ļ | 1 | L | 140 | | ₽ | 1 | + | ╀ | + | + | + | | -1 |
| H | _ | ۸t | -†- | 7 | 1 | \exists | | Γ | Γ | 1 | 7 | 1 | 7 | Γ | 91 | Ι | Ι | 1 | | | | | 1 | 1. | 丄 | 1 | L | 14 | 1 | 1 | \perp | \perp | \perp | + | + | + | + | 4 |
| H | 4 | <u>3</u> | - | + | ┪ | - | Ι- | | 1- | † | 1 | \top | 1 | | 92 | 2 | Ι | Ι | \mathbf{I} | Ι | Ι | \perp | | | 1 | 1 | L | 14 | 4_ | 1 | \bot | 4- | 4 | 4 | + | + | 4 | 4 |
| H | 1 | 3 | + | \dashv | -† | | 1 | T | 1 | 1 | 1 | 1 | 1 | Γ | 9: | | Ι | Ι | Ι | Ι | | | Ĺ | | 1 | 1 | L | 14 | | 1 | 1 | ╀ | + | + | 4 | + | 4 | _ |
| ŀ | | 14 | + | \dashv | | _ | \vdash | 1 | T | 1 | 1 | 1 | 1 | Γ | 9 | | T | T | | Ι | | | | \perp | | 1 | L | 14 | | Ļ | 1 | ┷ | 4 | 4 | 4 | + | 4 | _ |
| + | | 5 | + | -+ | \dashv | _ | \vdash | 1 | T | 1 | 十 | 1 | 1 | Γ | 9 | 5 | Τ | I | | Ι | I | | \perp | \perp | | 4 | L | 14 | _ | \perp | 1 | 4- | 4 | 4 | 4 | 4 | 4 | _ |
| H | | 16 | -† | + | _ | _ | | 1 | T | 1 | _ | 1 | 1 | Γ | 9 | | I | | \mathbf{I} | $oldsymbol{\mathbb{L}}$ | \perp | \perp | | 1 | 1 | 1 | L | 14 | | \perp | \bot | + | + | + | + | 4 | \dashv | _ |
| H | | 17 | _ | 7 | \dashv | | Т | T | 1 | T | 1 | 7 | 7 | Γ | 9 | | I | I | \perp | | | | \perp | \perp | \perp | 1 | L | 14 | | 1 | 1 | 4- | 1 | + | + | 4 | 4 | |
| H | | 18 | + | _ | \dashv | _ | Т | 1 | T | T | _ | 1 | 1 | Γ | 9 | | I | I | I | \perp | | | \perp | 1 | 4 | 4 | L | 114 | | 4- | 4 | + | + | + | + | + | - | _ |
| ŀ | | 19 | \dashv | _ | \dashv | Ι- | Г | 1 | 1 | 1 | _ | |] | | 9 | 9 | | \perp | \perp | I | 1 | 1 | 4 | 4 | \perp | 4 | L | 14 | 8 | + | + | - | + | + | + | + | \dashv | |
| - 1 | | - 1 | 1 | _ | | | | _ | - | _ | _ | _ | _ | _ | _ | | | - 1 | 1 - | | | | | | | | | M E | ~ | | | | | 1 | | | - 1 | |